



ELSEVIER

Solar Energy Materials and Solar Cells 43 (1996) 435–437

---

---

Solar Energy Materials  
and Solar Cells

---

---

## Contents of volume 43

*Vol. 43, No. 1 (15 August 1996)*

### Papers

- P.K. Pal, S.K. Datta, K. Mukhopadhyay and H. Saha  
Role of antireflection coating in microgrooved silicon solar cells 1
- P.K. Basu, B.C. Chakravarty, S.N. Singh, P. Dutta and R. Kesavan  
Measurement of shallow dopant impurity profile in silicon using anodic sectioning and Lange method of Hall measurement 15
- M.S. Suresh  
Measurement of solar cell parameters using impedance spectroscopy 21
- S.K. Sharma, N. Srinivasamurthy and B.L. Agrawal  
Investigation of the current break-down phenomena in solar cells 29
- C. Lee, K. Lim and J. Song  
Highly textured ZnO thin films doped with indium prepared by the pyrosol method 37
- C. Guillén and J. Herrero  
Improvement of the optical properties of electrodeposited CuInSe<sub>2</sub> thin films by thermal and chemical treatments 47
- J.H. Schön and E. Bucher  
Computer modeling of the performance of some metal/dielectric multilayers for high-temperature solar selective absorbers 59
- W. Sienicki and T. Hryniewicz  
Tungsten diselenide heterojunction photoelectrodes 67
- E. Moons, D. Gal, J. Beier, G. Hodes, D. Cahen, L. Kronik, L. Burstein, B. Mishori, Y. Shapira, D. Hariskos and H.-W. Schock  
Effect of air annealing on the electronic properties of CdS/Cu(In,Ga)Se<sub>2</sub> solar cells 73
- L. Micaroni and M.-A. De Paoli  
Photoelectrochemistry of poly(3-methylthiophene), I: Surface morphology and thickness effect 79
- B.M. Başol, V.K. Kapur, C.R. Leidholm, A. Halani and K. Gledhill  
Flexible and light weight copper indium diselenide solar cells on polyimide substrates 93

**Miscellaneous**

Selected back issues	99
----------------------	----

*Vol. 43, No. 2 (1 September 1996)*

A.W. Czanderna and F.J. Pern

Encapsulation of PV modules using ethylene vinyl acetate copolymer as a pottant: A critical review	101
---	-----

A. Benati, M.A. Butturi, C. Capperdoni, M.C. Carotta, G. Martinelli, M. Merli,  
L. Passari, G. Sartori, R. Van Steenwinkel and G.M. Youssef

Comparison between normal and reverse thin crystalline silicon solar cells	183
--	-----

J. Dugas

Modelling of material properties influence on back junction thin polycrystalline silicon solar cells	193
---	-----

A. Martí and G.L. Araújo

Limiting efficiencies for photovoltaic energy conversion in multigap systems	203
--	-----

*Vol. 43, No. 3 (1 October 1996)***Papers**

S.N. Sahu, M.J. Antonio and C. Sanchez

Composition, surface topography, structure, Raman, and electrochemical/photoelectro- chemical characterisation of $\text{Cd}_x\text{Hg}_{1-x}\text{Te}$ films	223
--	-----

R. Chakrabarti, B. Maiti, S. Chaudhuri and A.K. Pal

Photoconductivity of $\text{Cu}(\text{In}, \text{Ga})\text{Se}_2$ films	237
---	-----

I. Roušar, M. Rudolf, P. Lukášek, L. Kavan, N. Papageorgiou and M. Grätzel

Optimization of parameters of an electrochemical photovoltaic regenerative solar cell	249
---	-----

D. Caputo and G. de Cesare

Activation of dopant in the p-layer of amorphous silicon solar cells under illumination	263
---	-----

J.K. Dohrmann, M. Chuan and N.-S. Schaaf

Photocalorimetry at semiconductor electrodes: theory, technique and applications	273
--	-----

M.A. Martínez, C. Guillén, M.T. Gutiérrez and J. Herrero

Optimisation of $\text{CdS-TCO}$ bilayers for their application as windows in photovoltaic solar cells	297
---	-----

S. Yae, M. Fujitani, I. Nakanishi, M. Uetsuji, R. Tsuda and Y. Nakato

Minority carrier controlled PEC solar cells, using n-Si electrodes modified with LB layers of ultrafine Pt particles	311
---	-----

**Book review**

N. Ozer

<i>Sol-Gel Optics: Processing and Applications</i> , Lisa C. Klein (Ed.), Kluwer Academic Publishers, Boston, 1994. 592 pages. ISBN: 0-7923-9424-0	319
---	-----

Vol. 43, No. 4 (15 October 1996)

## Papers

- B. Ba and M. Kane  
Erratum: Influence of wavelength on transient short-circuit current in polycrystalline silicon solar cells 321
- G. Lihui, Z. Yibin and S. Tietun  
Energy band structure and sheet resistance of MIS inversion layer for silicon solar cells 325
- K.-M. Nigge, F.P. Baumgartner and E. Bucher  
CVT-growth of AgGaSe<sub>2</sub> single crystals: electrical and photoluminescence properties 335
- H. Wang, M. Zhang, S. Yang, L. Zhao and L. Ding  
Preparation and properties of electrochromic tungsten oxide film 345
- M.D. Dlamini  
Electrical/electronic effects of titanium and iron impurities in EFG and FZ solar cell silicon: SPV/EBIC analysis 353
- X.M. Dai and Y.H. Tang  
A simple general analytical solution for the quantum efficiency of front-surface-field solar cells 363
- J. Wang and J.M. Bell  
Influence of deposition temperature on electrochromic properties of sputtered WO<sub>3</sub> thin films 377
- M. Green and K. Pita  
Non-stoichiometry in thin film dilute tungsten bronzes: M<sub>x</sub>WO<sub>3-y</sub> 393
- S. Bauer, R.O. Dusane, W. Herbst, F. Diehl, B. Schröder and H. Oechsner  
p-i interface engineering and i-layer control of hot-wire a-Si:H based p-i-n solar cells using in-situ ellipsometry 413

## Miscellaneous

- Book reviews 425
- Author index to volume 43 429
- Subject index to volume 43 433
- Contents of volume 43 435
- Selected back issues 439